This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method of applying electromagnetic energy to a target, comprising:

moving a coil relative to the target; and

applying current to the coil at a plurality of locations in order to direct magnetic fields to the target such that the magnetic field energy over time is higher at the target than areas around the target.

2. (Original) The method of claim 1, further comprising adjusting the position of the coil so that the magnetic field energy at the target is greater than magnetic field energy at areas near the target at the same distance to the coil.

3. (Original) The method of claim 1, further comprising adjusting the current to the coil at each location so that the magnetic field at the target is constant.

4. (Original) The method of claim 3, wherein the current is adjusted by the inverse of the square of the distance between the coil and the target.

5. (Original) The method of claim 1, further comprising selectively not applying current to the coil at a location where directing a magnetic field at the target would expose an area to undesirable magnetic field energy.

6. (Original) The method of claim 1, further comprising selecting a duration for applying the current depending on a location of the coil.

7. (Original) The method of claim 1, further comprising selecting an inter-pulse interval for applying the current depending on a location of the coil.

8. (Original) The method of claim 1, further comprising selecting an intra-pulse frequency for applying the current depending on a location of the coil.

9. (Original) The method of claim 1, further comprising selecting a speed of movement of the coil.

10. (Original) The method of claim 1, further comprising a plurality of coils.

11. (Original) The method of claim 1, wherein the coil is a transcranial magnetic stimulation (TMS) coil.

12. (Original) A method of applying electromagnetic energy to a target, comprising:

rotating a coil relative to the target;

adjusting the position of the coil so that magnetic field energy from the coil will be greater at the target than magnetic field energy at areas near the target at the same distance to the coil; and

applying current to the coil at a plurality of locations in order to direct magnetic fields to the target such that the magnetic field energy over time is higher at the target than areas around the target.

13. (Original) The method of claim 12, further comprising adjusting the current to the coil at each location so that the magnetic field at the target is constant.

14. (Original) The method of claim 13, wherein the current is adjusted by the inverse of the square of the distance between the coil and the target.

15. (Original) The method of claim 12, further comprising selectively not applying current to the coil at a location where directing a magnetic field at the target would expose an area to undesirable magnetic field energy.

16. (Original) The method of claim 12, further comprising selecting a duration for applying the current depending on a location of the coil.

17. (Original) The method of claim 12, further comprising selecting an inter-pulse interval for applying the current depending on a location of the coil.

18. (Original) The method of claim 12, further comprising selecting an intra-pulse frequency for applying the current depending on a location of the coil.

19. (Original) The method of claim 12, further comprising selecting a speed of movement of the coil.

20. (Original) The method of claim 12, further comprising a plurality of coils.

21. (Original) The method of claim 12, wherein the coil is a transcranial magnetic stimulation (TMS) coil.

Claims 22 – 26 are canceled.